## !SSUE SLIP STAPLE AREA (for additional cross references)

| POSITIG''                 | INITIALS | iĐ <b>XO</b> . | DATE     |
|---------------------------|----------|----------------|----------|
| FEE DETERMINATION         | Danel    | 24             | 06-04-01 |
| O.I.P.E. CLASSIFIER       |          | 20             | 6/16     |
| FORMALITY REVIEW          | \$1      | 926            | 07.2704  |
| RESPONSE FORMALITY REVIEW |          |                |          |

## INDEX OF CLAIMS

|     | Paiactad                 | N . | Non-elected  |
|-----|--------------------------|-----|--------------|
| ·   | Rejected                 |     | 4-4-4        |
| =   | Allowed                  | 1   | Interlerence |
|     | hrough numeral) Canceled | Α   | Appeal       |
| - ' | Rectricted               | 0   | Objected     |

|                   |   |            |          | -            | ٠ .      | ••••     | ••••         | ••••     | ••••      | ••••      | •••••    | •••• | Res      | stric       | tec | ,        |        |           | C                |                    | ••••      | ••••     |         | ••••      | • • • • • • | •••••    | UUJE      |        |          |              |           |          |          |            |           |                         |          |
|-------------------|---|------------|----------|--------------|----------|----------|--------------|----------|-----------|-----------|----------|------|----------|-------------|-----|----------|--------|-----------|------------------|--------------------|-----------|----------|---------|-----------|-------------|----------|-----------|--------|----------|--------------|-----------|----------|----------|------------|-----------|-------------------------|----------|
| Claim             |   | _          | _        |              | ate      |          |              | _        | _         |           | 1        | [    | laim     | Т           | _   |          |        | 0         | ate              |                    |           |          |         | ]         | [           | Clai     | n         |        |          |              | 0         | ate      |          | _          | _         | _                       | ]        |
|                   | J   | 1 2        | +        | Ť            | T        | T        | Т            |          | Γ         | Γ         |          | r    | 77       |             | Т   | Τ        | T      | Т         | Т                | Т                  | Т         | Т        |         | 1         | ſ           |          | <u> </u>  | T      |          | T            |           |          | ı        | ļ          |           |                         | 1        |
| Final<br>Original | શ છ   |            | #        | ١            |          | 1        | 1            | ļ        | ı         | l         |          | 1    | Orlege   | $\setminus$ | 1   | ı        | 1      | ١         | ١                | 1                  | 1         | 1        | 1       | ١         | - [         | Final    | Original  | 1      | 1        |              | 1         | 1        | 1        | 1          | ١         |                         | 1        |
| Original J        |   |            | *        | 1            | $\perp$  | 1        | ┙            |          | L         | L         | 1        | Ļ    |          |             | 1   | ⋡        | 4      | 4         | 4                | +                  | +         | +        | +       | 4         | -           | 띡        | 앜         | +      | ╀        | ╫            | ╀         | ┿        | +        | ┿          | +         | +                       | -        |
| 0                 | <b>7</b> \  | /]_/       | 1        | ┸            | 1        | 1        | 4            |          | L         | L         | 1        | L    | 5        |             | +   | +        | 4      | +         | +                | +                  | +         | +        | ╁       | 4         | ŀ           |          | 01        | ╂      | ┿        | +            | +         | 十        | ╅        | ╁          | +         | +                       | ┨        |
| 21                | <u>/</u> 1  | <u>//v</u> | 4        |              | 4        | 4        | 4            |          | L         | Ļ         | -        | Ļ    | 5        | _           | ╀   | +        | +      | +         | +                | ╬                  | +         | +        | ╬       | $\dashv$  | ŀ           | -        | 03        | ╁      | ╅        | +            | +         | +        | +        | 十          | 十         | +                       | ┨.       |
| 3 ,               | 4   | <u>//</u>  | 4        | 4            | - -      | 4        | 4            |          | ┞         | ┡         | 4        | ŀ    | 5        |             | +   | +        | +      | +         | +                | +                  | ╫         | ╁        | +       | ┨         | ŀ           |          | 104       | +      | +        | +            | +         | +        | 十        | +          | +         | 十                       | ٦        |
| 141               | -   | <i>A'</i>  | +        | +            | +        | +        | +            |          | ╁╴        | ╁         | 1        | H    |          | 5           | ╁   | ╁        | +      | +         | +                | +                  | $\dagger$ | +        | 十       | ┪         | ŀ           | _        | 06        | ╅      | †        | $\top$       | T         | T        | 1        |            | 7         | $\top$                  |          |
| تلتلا             | 米   | //         | ╁        | ┿            | +        | +        | $\dashv$     | _        | ┞         | ╁         | ┨        | H    |          | 8           | +   | +        | †      | 7         | 十                | +                  | 十         | +        | +       | ヿ         | 1           |          | 106       | $\top$ | 1        |              | $\top$    |          |          | $\Box$     | $\Box$    | $\perp$                 |          |
| <del></del>       | 7   |            | -        | ╁            | ╅        | +        | ᅥ            |          | ╁         | 十         | 1        | t    | 5        |             | 十   | +        | ヿ゙     | 7         | 寸                | 7                  | 1         | 1        | 1       |           | - [         |          | 107       | T      | $\perp$  | $\perp$      | Ţ         | $\Box$   |          | 4          | $\dashv$  | 4                       | _        |
|                   | <del>)</del>  |            | 1        | +            | ╅        | +        | -            | _        | ╁         | t         | 1        | ı    | 15       | 8           | †   | 1        |        | $\exists$ | T                | 1                  |           | I        | $\Box$  |           |             | _        | 108       | 1      | 1        | 1            | 4         | 4        | 4        | 4          | 4         | 4                       | 4        |
| 9                 | 7   | +          | +        | $\dagger$    | T        | す        |              | _        | T         | 1         | 1        | Ī    |          | 9           | 1   |          |        | $\Box$    | $\Box$           | $\Box$             | $\Box$    |          |         | ┛         |             | -        | 109       | 4      | 4        | 4            | 4         | 4        | 4        | 4          | 4         | +                       | 4        |
| 10                | 1   | +          | 1        | 7            | 十        | ┪        |              | Т        | Τ         | Τ         | 1        |      |          | <b>i</b> 0  | T   |          | $\Box$ |           | $\perp$          |                    | $\perp$   | 4        | 4       | 4         |             |          | 110       | 4      | 4        | +            | 4         | 4        | -        | 4          | 4         | +                       | 4        |
| 111               | ┪   | 7          | 1        | 7            | T        |          |              |          |           | Ι         | ]        | [    |          | 31          | 1   |          |        | _         | 4                | 4                  | 4         | 4        | 4       | 4         |             | Ш        | 111       | +      | +        | +            | +         | 4        | -        | -+         | ┥         | $\dashv$                | -1       |
| 12                |   | $\perp$    |          | $\Box$       |          |          |              |          | L         |           | ]        |      |          | 2           | 4   | 4        | 4      | 4         | _                | 4                  | 4         | 4        | 4       | _         |             | <u> </u> | 112       | +      | -+       | +            | +         | $\dashv$ | -        | -          | $\dashv$  | -                       | $\dashv$ |
| 13                |   | $\Box$     | $\Box$   | I            | $\Box$   |          |              |          | L         | 1         | 4        | ļ    |          | 33          | 4   | 4        | 4      | _         | 4                | -                  | 4         | $\dashv$ | -       | ᅴ         |             | $\vdash$ | 113       | +      | +        | +            | +         | +        | -        | -          | -         | $\dashv$                | $\dashv$ |
| 14                | $oldsymbol{ol}}}}}}}}}}}}}}}$ | I          | $\Box$   | $\perp$      | $\perp$  |          |              | L        | 1         | 1         | 4        | ļ    | _        | 4           | +   | 4        | 4      | 4         | 4                | -                  | +         | -        | 4       | -         |             | -        | 114       | +      | +        | $\dashv$     | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$   | $\vdash$  | $\sqcap$                | $\dashv$ |
| 15                | $\bot$  | _          | 4        | 4            | _        | _        |              | <u> </u> | 4-        | +         | 4        | -    | _        | 35          | 4   | 4        | 4      | -         | -                | -                  | +         | -        | +       | $\dashv$  |             | $\vdash$ | 116       | +      | +        | +            | ┪         | $\dashv$ | $\dashv$ | H          | М         | Н                       | $\sqcap$ |
| 16                | _   | 4          | 4        | _            | 4        | _        | _            | Ļ        | +         | +         | 4        | ŀ    | _        | 36<br>37    | +   | ┥        | ┥      | -         | -                | ᅱ                  | ┪         | ┥        | ┥       | Н         | ļ           | ┝        | 117       | -      | ┪        | +            | ┪         |          |          |            | Г         | П                       | П        |
| 17                | 4   | _          | 4        | <del>)</del> | $\dashv$ | _        | •            | ├-       | +         | ╀         | 4        | - }  | _        | 57<br>58    | +   | ┥        | ┥      | $\dashv$  | -                | ┪                  | ┪         | -        |         | _         | l           | 一        | 118       |        | 1        |              | ┪         | П        | П        | П          | П         | П                       |          |
| 18                | -   | 4          |          | +            | +        | _        | ⊢            | ├        | ╁         | +         | $\dashv$ | ١    | _        | 59<br>59    | +   | ┥        | -      | $\dashv$  | $\dashv$         | -                  | $\dashv$  | $\dashv$ |         | П         |             | 卜        | 119       | 7      | ┪        |              | $\exists$ | П        | П        |            | Γ         |                         |          |
| 19                |   | +          | -        | -            | -        | _        | ŀ            | ╀        | ╁         | +         | ┥        | }    | -        | 70          | ┪   | ㅓ        | П      |           | $\neg$           |                    | Н         | $\neg$   | Н       | H         | 1           | H        | 120       |        |          | $\sqcap$     | $\neg$    |          |          | Г          | Γ         | П                       | П        |
| 20                | 4   |            | -        | 4            | -        |          | ┡            | ╀        | +         | +         | 4        |      | _        | 71          | ┪   | -        | Н      | -         | Н                | -                  | -         | _        | Н       | H         | 1           | ⊨        | 121       | $\Box$ |          | П            | $\neg$    | Г        | Г        | 1          |           |                         |          |
| 21                |   | -+         | -        | -            | -        | _        | ├-           | ╁╴       | +         | +         | $\dashv$ |      | _        | 72          | +   | -        | H      |           | H                | П                  | _         | Т        | Н       | ┢         | 1           |          | 122       |        |          |              |           |          |          |            | L         |                         |          |
| 23                | -   | +          | $\dashv$ | -            |          |          | ┢            | ╁        | +         | +         | $\dashv$ |      |          | 73          | ┪   | _        |        | Г         | П                |                    |           | П        | П       | Г         | 1           |          | 123       |        |          |              |           |          | L        | L          | L         | 上                       | Ш        |
| 24                |   | $\dashv$   | ┪        | -            | -1       | _        | ╁╴           | †        | t         | $\dagger$ | ٦        |      |          | 74          | ┪   |          | Г      | Г         | Г                | _                  |           |          |         |           | ]           |          | 124       |        |          |              |           | L        | L        | 辶          | ╄         | ╄                       | Ш        |
| 25                |   | _          |          |              | _        | _        | 1            | T        | Ť         | 1         | Ħ.       | _    | c        | <b>P</b> 5  | A   | ī        | 11     | ī         |                  | A                  | 6         |          |         | L         |             |          | 125       |        |          |              | _         | ┺        | 1        | <b> </b> _ | ╄         | ╀                       | Н        |
| 26                | Н   |            |          | T            |          |          | Τ            | Τ        | 1         | Ti        | ٥        | Ė    | S        | 76          | В   | V        | I      | П         | $\mathbf{L}_{I}$ | $\boldsymbol{\mu}$ | B         | Ц        | L       | T         | 12(         |          | 125<br>27 | Y      |          | ļ            | <u> </u>  | ₽        | ┡        | ╁          | ╀         | ╀                       | ₽        |
| 27                | П   |            | :        |              |          |          | Γ            | Ι        |           | T         | ]        | _    |          | 77          |     |          | L      | <u>"</u>  |                  | Ľ                  |           |          |         | Ľ         |             | ۲        |           |        |          | -            | L         | ╀        | ╀        | ┼-         | ╄         | ╀                       | ╀        |
| 28                |   | $\Box$     |          |              |          |          |              | Ι        | $\perp$   | $\prod$   |          |      | Ш        | 78          |     | _        | L      | L         | ᄂ                | <u> </u>           | L         | L        | ┡       | ┡         | 4           | -        | 128       |        |          | ┞            | ⊢         | ╁        | ╁╌       | ╁          | ╁         | ╀                       | ╀        |
| 29                |   |            |          |              |          |          | L            | L        | _         | $\perp$   | ╛        |      | Ш        | 79          | _   | _        | ┡      | L         | ļ                | ļ                  | L         | ┡        | ┡       | ╄         | ┨           | $\vdash$ | 130       | -      | ┝        | ⊢            | ⊢         | ╁        | ╁        | ╁          | ╁╴        | ┿                       | 十        |
| 30                |   |            |          |              | ш        | L        | L            | 4        | 4         | 4         | 4        |      | _        | 80          |     | <u> </u> | ┡      | ├-        | ↓_               | ┞                  | ┞         | ⊢        | ┝       | ╀╌        | ┨           | Н        | 13        |        | -        | ╁            | ╁╴        | 十        | 十        | ╁╴         | 十         | 十                       | +-       |
| 31                | L   | Ц          |          | _            |          | <u> </u> | ╀            | 4        | 4         | 4         | 4        |      | $\vdash$ | 81          | _   | ⊢        | ┝      | -         | ╁╴               | ⊢                  | ┝         | ⊢        | ╁╌      | ╁         | ┨           | $\vdash$ | 132       |        | ⊢        | ╁            | ╁         | +        | ╆        | 十          | 十         | 十                       | 十        |
| 32                | L   | Ш          | _        | L            | Ш        | -        | ╄            | 4        | 4         | +         | 4        |      | $\vdash$ | 82<br>83    | -   | $\vdash$ | ┞      | ╀         | ╁╌               | ╁                  | ┝         | ⊢        | ╁       | ╁         | ┨           | $\vdash$ | 133       | -      | $\vdash$ | $\vdash$     | t         | t        | t        | $\top$     | $\dagger$ | $\top$                  |          |
| 33                | ├-  | ب          | _        | ├            | $\vdash$ | H        | ╀            | +        | +         | +         | $\dashv$ |      | $\vdash$ | 84          | _   | $\vdash$ | +      | ╁         | +                | $\vdash$           | t         | †-       | ٢       | ╁         | 1           |          | 13        | _      | T        | Τ            | T         | T        | T        | T          | T         | I                       | Ι        |
| 34<br>35          | -   | 7          | _        | $\vdash$     | $\vdash$ | ⊢        | ╁            | +        | ┽         | +         | $\dashv$ |      | $\vdash$ | 85          | -   | $\vdash$ | +      | †-        | t                | †                  | 1-        | t        | T       | $\dagger$ | 1           | ۲        | 13        | 4      | 1        |              | Γ         | Ι        | Ι        | Ι          | Ι         | $oldsymbol{\mathbb{I}}$ | I        |
| 36                | ├   | H          | _        | $\vdash$     | $\vdash$ | $\vdash$ | +            | +        | +         | +         | $\dashv$ |      | $\vdash$ | 86          | -   | Н        | t      | T         | T                | T                  | 1         | 1        | T       | 1         | 1           |          | 13        | 6      | L        | Ι            | I         | I        | I        | I          | I         | Ţ                       | 1        |
| 37                |   | Н          | -        | +-           | $\vdash$ | H        | $^{+}$       | +        | ┪         | +         | $\dashv$ |      | $\vdash$ | 87          | _   | T        | Τ      | T         | T                | T                  |           | T        | Ι       | Τ         | ]           |          | 13        | 1      | Ĺ        |              |           | I        | Ţ        | $\perp$    | 1         | 1                       | $\bot$   |
| 38                | _   | Н          | -        | ┢            | T        | t        | +            | +        | 7         | 7         | ┨        |      | Г        | 88          |     |          | Τ      | Ι         | Γ                | Ι                  | Γ         |          | Ι       | I         | ]           |          | 13        | +-     |          | L            | L         | 1        | 4        | 4          | +         | 4                       | 4        |
| 39                | -   | П          | Т        | 1            | Τ        | T        | 1            | 1        | _         | _†        | コ        |      |          | 89          |     |          |        | Γ         | I                |                    |           | L        | Γ       | I         | ]           |          | 13        | _      | L        | ╀            | 1         | +        | +        | +          | +         | +                       | +        |
| 40                | -   | Π          | Г        | Г            | T        | Τ        | T            | 1        | $\exists$ | ┪         | $\Box$   |      |          | 90          |     |          | Ι      | Ι         |                  | L                  |           | Ĺ        | $\perp$ | $\perp$   |             | L        | 14        | -      | 1        | ╄            | 丰         | 1        | 4        | 4          | +         | 4                       | +        |
| 41                | -   |            | Г        | Τ            | Τ        | T        | T            | 1        | ╗         | ٦         | ٦        |      | Г        | 91          |     | Γ        | Ι      | Ι         | L                | Ĺ                  |           | ŀ        |         |           | 1           | L        | 14        | -      | L        | $\downarrow$ | 1         | 4        | +        | 4          | 4         | +                       | 4-       |
| 42                | _   | 1          |          |              | T        | Ī        | T            | _†       |           |           |          |      |          | 92          |     |          | I      | I         | I                | L                  | Ļ         | L        | Ĺ       | 1         | _           | L        | 14        |        | ╀        | 1            | +         | +        | +        | +          | +         | +                       | +        |
| 43                |   |            |          |              | Ι        | Γ        |              |          |           |           |          |      |          | 93          |     | Į,       | I      | 1         | Ļ                | L                  | L         | 1        | $\bot$  | 4-        | 4           | -        | 14        | _      | ╀        | +            | ╀         | +        | +        | +          | +         | +                       | +        |
| 44                |   |            |          |              |          | Ι        | I            | J        |           |           |          |      | L        | 94          |     | L'       | 1      | <u>.</u>  | 1                | 1                  | ╄         | +        | $\perp$ | 4         | 4           | -        | 14        |        | ╀        | +            | +         | +        | +        | +          | +         | +                       | +        |
| 45                |   |            |          | L            | Ŀ        | Ţ        | $\perp$      | 1        | $\Box$    |           |          | ١    | $\vdash$ | 95          | -   | Ļ        | 4      | +         | +                | +                  | ╀         | +        | +       | +         | $\dashv$    | -        | 14        |        | ╀        | ╁            | +         | +        | +        | +          | +         | +                       | ╫        |
| 46                |   | L          | L        | 1            | 1        | 1        | $\downarrow$ | 4        |           | Ш         | Щ        | l    | $\vdash$ | 96          | -   | Ľ        | +      | باِـ      | +                | ╀                  | ╁╌        | ╁        | +       | +         | $\dashv$    | -        | 14        |        | +-       | +            | +         | 十        | +        | +          | +         | +                       | 十        |
| 47                |   | ┺          | L        | $\perp$      | ╄        | 1        | 1            | 4        | _         | L         |          |      | $\vdash$ | 97<br>98    |     | ╀        | +      | +         | ╀                | ╀                  | ╀         | ╁        | +       | +         | $\dashv$    | ŀ        | 14        |        | ╁        | +            | 十         | +        | +        | +          | +         | +                       | 十        |
| 48                |   | ╄          | 1-       | ╀-           | ╀        | ╀        | 4            | 4        | _         | -         | _        | l    | $\vdash$ | 98          | _   | ╀        | +      | +         | +                | ╁                  | ╁         | ╁        | 十       | +         | $\dashv$    | ŀ        | 14        | _      | +        | 十            | $\dagger$ | +        | +        | +          | 十         | 十                       | +        |
| 49                | _   | ╀          | ╄        | +            | ╀        | +        | +            | +        |           | -         | -        | 1    | -        | 10          |     | +        | +      | ╁         | +                | 十                  | +         | +        | +       | 十         | $\dashv$    | ŀ        | 1:        |        | 十        | †            | $\dagger$ | 十        | _        | +          | 寸         | 士                       | 工        |
| 50                | <u>'1</u> _   | 1          | ᅩ        | $\bot$       |          | 1.       | ᆚ            | _1       |           |           | Ц_       | j    | $\vdash$ | ,,,,,       | ٦.  | _        |        | -         |                  |                    | _         |          |         | _         | _           | -        |           | -      | _        |              |           |          |          |            | _         |                         |          |

If more than 150 claims or 10 actions staple additional sheet here